

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI919071

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	Avalara, Inc.	03/28/2025
	Edison Vault, LLC	03/28/2025
RECEIVING PARTY DATA		
Company Name:	Morgan Stanley Senior Funding, Inc., as Collateral Agent	
Street Address:	1300 Thames Street, 4th Floor	
City:	Baltimore	
State/Country:	MARYLAND	
Postal Code:	21231	
PROPERTY NUMBERS Total: 195		
Property Type	Number	
Application Number:	17089485	
Application Number:	17365322	
Application Number:	17365332	
Application Number:	17489220	
Application Number:	18206533	
Application Number:	18206538	
Application Number:	18207084	
Application Number:	18207091	
Application Number:	18207102	
Application Number:	18207103	
Application Number:	18231061	
Application Number:	18370675	
Application Number:	18403595	
Application Number:	18427450	
Application Number:	18618624	
Application Number:	18626199	
Application Number:	18762356	
Application Number:	18824710	
Application Number:	16696062	

PATENT

Property Type	Number
Application Number:	17564061
Application Number:	17574412
Application Number:	17984918
Application Number:	17246970
Patent Number:	11373222
Patent Number:	11463375
Patent Number:	11403419
Patent Number:	11710165
Patent Number:	11431812
Patent Number:	11847706
Patent Number:	12028409
Patent Number:	12099907
Patent Number:	12028273
Patent Number:	11979466
Patent Number:	11855842
Patent Number:	12052400
Patent Number:	12052401
Patent Number:	12034648
Patent Number:	12136129
Patent Number:	12125113
Patent Number:	12197616
Patent Number:	12166693
Patent Number:	12165219
Patent Number:	12235110
Patent Number:	12242631
Patent Number:	12210483
Patent Number:	12113871
Patent Number:	12236366
Patent Number:	12243099
Patent Number:	12242423
Patent Number:	12216660
Patent Number:	12107729
Patent Number:	12197428
Patent Number:	7992143
Patent Number:	8490080
Patent Number:	RE44189
Patent Number:	11514496
Patent Number:	9466066

Property Type	Number
Patent Number:	10169802
Patent Number:	11341507
Patent Number:	11979303
Patent Number:	11366836
Patent Number:	11928744
Patent Number:	11301937
Patent Number:	11632419
Patent Number:	11874826
Patent Number:	11810205
Patent Number:	11605136
Patent Number:	11468421
Patent Number:	11238542
Patent Number:	11900477
Patent Number:	11861667
Patent Number:	11748363
Patent Number:	11526950
Patent Number:	11449779
Patent Number:	11900285
Patent Number:	11508016
Patent Number:	11282140
Patent Number:	11853302
Patent Number:	11762811
Patent Number:	11531447
Patent Number:	12131390
Patent Number:	12061879
Patent Number:	11810193
Patent Number:	11706369
Patent Number:	11798007
Patent Number:	11720606
Patent Number:	12095881
Patent Number:	11875387
Patent Number:	11977586
Patent Number:	11809590
Patent Number:	11720703
Patent Number:	11671508
Patent Number:	11778058
Patent Number:	11790462
Patent Number:	11720976

Property Type	Number
Patent Number:	11775849
Patent Number:	11783212
Patent Number:	11711316
Patent Number:	11722433
Patent Number:	11922475
Patent Number:	11521195
Patent Number:	11514425
Patent Number:	12190308
Patent Number:	8468093
Patent Number:	9830634
Patent Number:	8364596
Patent Number:	9195695
Patent Number:	8615467
Patent Number:	10229419
Patent Number:	10169546
Patent Number:	9215331
Patent Number:	8965801
Patent Number:	9697571
Patent Number:	10825013
Patent Number:	8768878
Patent Number:	8229814
Patent Number:	9626368
Patent Number:	10223687
Patent Number:	10332112
Patent Number:	9100502
Patent Number:	9959273
Patent Number:	9059972
Patent Number:	9412091
Patent Number:	9374228
Patent Number:	9082413
Patent Number:	9342575
Patent Number:	10496604
Patent Number:	10217101
Patent Number:	9508069
Patent Number:	9608881
Patent Number:	9928489
Patent Number:	10592891
Patent Number:	9065805

Property Type	Number
Patent Number:	9740698
Patent Number:	9628357
Patent Number:	9047614
Patent Number:	10311425
Patent Number:	10621569
Patent Number:	9336523
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Patent Number:	10318949
Patent Number:	9972000
Patent Number:	9940595
Patent Number:	9686246
Patent Number:	10108628
Patent Number:	10810560
Patent Number:	10171310
Patent Number:	9892385
Patent Number:	10284542
Patent Number:	9571419
Patent Number:	9577952
Patent Number:	9600336
Patent Number:	9612974
Patent Number:	9760476
Patent Number:	9733927
Patent Number:	9659075
Patent Number:	9773122
Patent Number:	10223074
Patent Number:	9749281
Patent Number:	10061661
Patent Number:	10769600
Patent Number:	10810580
Patent Number:	9704144
Patent Number:	10387860
Patent Number:	10713647
Patent Number:	10528336
Patent Number:	10832230
Patent Number:	9930017
Patent Number:	10055249
Patent Number:	9892387
Patent Number:	9892388

Property Type	Number
Patent Number:	10581861
Patent Number:	10585748
Patent Number:	11074573
Patent Number:	10055314
Patent Number:	10915884
Patent Number:	10664827
Patent Number:	10699256
Patent Number:	10838916
Patent Number:	10949818
Patent Number:	10592538
Patent Number:	10304019
Patent Number:	10528932
Patent Number:	10789204
Patent Number:	10635406
Patent Number:	11093929
Patent Number:	11093930
Patent Number:	10713664
Patent Number:	10776730
Patent Number:	11025612
Patent Number:	10937012
Patent Number:	10963236
Patent Number:	11023883
Patent Number:	11687914
Patent Number:	12118531

CORRESPONDENCE DATA

Fax Number: 6179799301

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6179799376

Email: christine.slattery@whitecase.com

Correspondent Name: Christine Slattery, Sr. Legal Assist.

Address Line 1: 75 State Street

Address Line 2: 23rd Floor / White & Case LLP

Address Line 4: Boston, MASSACHUSETTS 02109

ATTORNEY DOCKET NUMBER:	5430558.0022
NAME OF SUBMITTER:	Christine Slattery
SIGNATURE:	/Christine Slattery/
DATE SIGNED:	03/28/2025

Total Attachments: 19

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PATENT SECURITY AGREEMENT

This Patent Security Agreement, dated as of March 28, 2025 (this “**Patent Security Agreement**”), is made by Avalara, Inc. and Edison Vault, LLC (each a “**Pledgor**” and collectively, the “**Pledgors**”), in favor of Morgan Stanley Senior Funding, Inc., in its capacity as collateral agent for the secured parties (in such capacity, together with its successors and permitted assigns, the “**Collateral Agent**”) pursuant to that certain Credit Agreement, dated as of March 28, 2025 (as amended, restated, amended and restated, supplemented, extended, waived, renewed, replaced, refinanced or otherwise modified from time to time, the “**Credit Agreement**”), by and among Avalara, Inc., a Washington corporation (the “**Initial Borrower**”), Lava Intermediate, Inc., a Delaware corporation (“**Holdings**”), the other Credit Parties from time to time party thereto, the lenders and issuing banks from time to time party thereto and the several agents party thereto, including the Collateral Agent.

W I T N E S S E T H:

WHEREAS, the Pledgors are party to a Security Agreement of even date with the Credit Agreement (as amended, restated, amended and restated, supplemented, waived, renewed, replaced or otherwise modified from time to time, the “**Security Agreement**”) in favor of the Collateral Agent pursuant to which the Pledgors are required to execute and deliver this Patent Security Agreement.

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, each Pledgor hereby agrees with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement, or if not defined therein, in the Credit Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. As security for the payment or performance, as the case may be, in full of the Secured Obligations, each Pledgor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties a Lien on and security interest in all of the right, title and interest of such Pledgor in, to and under all the following to the extent constituting Pledged Collateral, and in each case excluding Excluded Property (collectively, the “**Patent Collateral**”):

(a) all United States issued patents and patent applications listed on Schedule 1 attached hereto; and

(b) all Proceeds of any and all of the foregoing.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement, and the Pledgors hereby acknowledge and affirm that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Recordation. Each Pledgor authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Patent Security Agreement.

SECTION 5. Termination. This Patent Security Agreement shall terminate and the Lien on and security interest in the Patent Collateral shall be released upon the Payment in Full of the

Secured Obligations. Upon the termination of this Patent Security Agreement, the Collateral Agent shall execute all documents, make all filings, take all other actions reasonably requested by the Pledgors to evidence and record the release of the Lien on and security interests in the Patent Collateral granted herein.

SECTION 6. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery of an executed counterpart of this Patent Security Agreement by facsimile or other electronic means shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement. The words "execute," "execution," "signed," "signature," and words of like import in or related to this Patent Security Agreement shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable Requirement of Law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act.

SECTION 7. Governing Law. This Patent Security Agreement shall be construed in accordance with and governed by the law of the State of New York. The terms of Section 10.09 and Section 10.10 of the Credit Agreement are incorporated herein *mutatis mutandis*.

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IN WITNESS WHEREOF, each Pledgor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

PLEDGORS:

AVALARA, INC.,
a Washington corporation

By: 

Name: Ross Tennenbaum
Title: Chief Financial Officer

EDISON VAULT, LLC,
a Delaware limited liability company

By: 

Name: Ross Tennenbaum
Title: Treasurer

Accepted and Agreed:

MORGAN STANLEY SENIOR FUNDING, INC.,
as Collateral Agent

By: _____

Name:
Title:

[Signature Page to Patent Security Agreement]

PATENT
REEL: 070671 FRAME: 0106

Accepted and Agreed:

MORGAN STANLEY SENIOR FUNDING, INC.,
as Collateral Agent

By:



Name: Brian Sanderson
Title: Authorized Signatory

[Signature Page to Patent Security Agreement]

PATENT
REEL: 070671 FRAME: 0107

SCHEDULE 1
to
PATENT SECURITY AGREEMENT

UNITED STATES ISSUED PATENTS AND PATENT APPLICATIONS

United States Issued Patents:

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	Automated actions for facilitating remitting resources	11373222	2022-06-28	17028912	2020-09-22
AVALARA, INC.	ONLINE SOFTWARE PLATFORM (OSP) EXTRACTING DATA OF CLIENT FOR IMPROVED ON-BOARDING OF THE CLIENT ONTO THE OSP	N/A	N/A	17089485	2020-11-04
AVALARA, INC.	Online software platform (OSP) accessing digital rules updated based on client inputs	11463375	2022-10-04	17185732	2021-02-25
AVALARA, INC.	Online software platform (OSP) querying client data about relationship instances for application of permission digital rules in addition to resource digital rules for the relationship instances	11403419	2022-08-02	17188910	2021-03-01
AVALARA, INC.	INDEPENDENTLY PROCURABLE ITEM COMPLIANCE INFORMATION	11710165	2022-01-27	17217843	2021-03-30
AVALARA, INC.	SMART ALERTING OF ENTITY OF ONLINE SOFTWARE PLATFORM (OSP) ABOUT THEIR USER PROFILE AND CUSTOM RULES BEING IMPACTED BY UNDERLYING CHANGES IN DATA THAT THE OSP USES TO PROCESS THE ENTITY DATA	N/A	N/A	17365322	2021-07-01
AVALARA, INC.	ONLINE SOFTWARE PLATFORM (OSP) GENERATING RECOMMENDATION OF POSSIBLE DIFFERENT PRODUCTION OF RESOURCES FOR IMPENDING RELATIONSHIP INSTANCE	N/A	N/A	17365332	2021-07-01
AVALARA, INC.	Online service platform (OSP) generating and transmitting on behalf of primary entity to third party proposal of the primary entity while maintaining the primary entity anonymous	11431812	2022-08-30	17365339	2021-07-01

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	ASSEMBLING PARAMETERS TO COMPUTE TAXES FOR CROSS-BORDER SALES	N/A	N/A	17489220	2021-09-29
AVALARA, INC.	Providing diagnostics regarding differences between trusted resource values and historical resource values	11847706	2023-12-19	18108570	2023-02-10
AVALARA, INC.	Coarse values for estimating less-than-critical resources	12028409	2024-07-02	18121526	2023-03-14
AVALARA, INC.	Automated geospatial data analysis	12099907	2024-09-24	18130799	2023-04-04
AVALARA, INC.	Computing systems, networks, and notifications	12028273	2024-07-02	18135617	2023-04-17
AVALARA, INC.	Online service platform (OSP) generating and transmitting on behalf of primary entity to third party proposal of the primary entity while maintaining the primary entity anonymous	11979466	2024-05-07	18141267	2023-04-28
AVALARA, INC.	Primary entity requesting from online service provider (OSP) to produce a resource and to prepare a digital exhibit that reports the resource, receiving from the OSP an access indicator that leads to the digital exhibit, and sending the access indicator to secondary entity	11855842	2023-12-26	18173014	2023-02-22
AVALARA, INC.	Systems and methods for digitally watermarking resources produced by an online software platform	12052400	2024-07-30	18205422	2023-06-02
AVALARA, INC.	Systems and methods for digitally watermarking resources produced by an online software platform	12052401	2024-07-30	18205429	2023-06-02
AVALARA, INC.	Online software platform (OSP) accessing digital rules updated based on client inputs	12034648	2024-07-09	18205435	2023-06-02
AVALARA, INC.	INDEPENDENTLY PROCURABLE ITEM COMPLIANCE INFORMATION	N/A	N/A	18206533	2023-06-06
AVALARA, INC.	INDEPENDENTLY PROCURABLE ITEM COMPLIANCE INFORMATION	N/A	N/A	18206538	2023-06-06
AVALARA, INC.	AUTOMATED PREPARATION AND SUBMISSION OF ELECTRONIC REGISTRATION	N/A	N/A	18207084	2023-06-07
AVALARA, INC.	AUTOMATED PREPARATION AND TRANSMISSION OF ELECTRONIC REGISTRATIONS, DATA SHEETS AND RESOURCES	N/A	N/A	18207091	2023-06-07

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	COMPUTER NETWORKED FILING ENGINE	N/A	N/A	18207102	2023-06-07
AVALARA, INC.	COMPUTER NETWORKED FILING ENGINE	N/A	N/A	18207103	2023-06-07
AVALARA, INC.	Disestablishing entity's selected resource computation in response to loss of nexus establishment condition for selected domain	12136129	2024-11-05	18210487	2023-06-15
AVALARA, INC.	Disestablishing entity's selected resource computation in response to loss of nexus establishment condition for selected domain	12125113	2024-10-22	18210500	2023-06-15
AVALARA, INC.	Online software platform (OSP) querying client data about relationship instances for application of permission digital rules in addition to resource digital rules for the relationship instances	12197616	2025-01-14	18210521	2023-06-15
AVALARA, INC.	Online software platform (OSP) accessing digital rules updated based on client inputs	12166693	2024-12-10	18210585	2023-06-15
AVALARA, INC.	Automated systems and methods for an electronic ledger	12165219	2024-12-10	18221741	2023-07-13
AVALARA, INC.	Generating, from data of first location on surface, data for alternate but equivalent second location on the surface	12235110	2025-02-25	18223927	2023-07-19
AVALARA, INC.	Generating, from data of first location on surface, data for alternate but equivalent second location on the surface	12242631	2025-03-04	18223930	2023-07-19
AVALARA, INC.	COMPUTATION MODULE CONFIGURED TO ESTIMATE RESOURCE FOR TARGET POINT FROM KNOWN RESOURCES OF DOTS NEAR THE TARGET POINT	N/A	N/A	18231061	2023-08-07
AVALARA, INC.	Computation module configured to estimate resource for target point from known resources of dots near the target point	12210483	2025-01-28	18231120	2023-08-07
AVALARA, INC.	Online service platform (OSP) generating and transmitting on behalf of primary entity to third party proposal of the primary entity while maintaining the primary entity anonymous	12113871	2024-10-08	18236622	2023-08-22

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	Software service platform and graphical user interface (GUI) for determining and presenting rule-based conclusions	12236366	2025-02-25	18237820	2023-08-24
AVALARA, INC.	COMPLIANCE DOCUMENT CREATION, MODIFICATION, AND PROVISIONING	N/A	N/A	18370675	2023-09-20
AVALARA, INC.	Determining resource per digital rules for first dataset in context of matching it with compatible second dataset	12243099	2025-03-04	18376194	2023-10-03
AVALARA, INC.	Online software platform (OSP) checking domain for prior actions of delivering data to domain on behalf of primary entity, to prevent inadvertent duplication of such delivering action	12242423	2025-03-04	18403567	2024-01-03
AVALARA, INC.	ENABLING REVIEWER TO ASSESS PRIVATE DATA SET OF OTHER PARTY USING CUSTOM PARAMETER VALUES	N/A	N/A	18403595	2024-01-03
AVALARA, INC.	SUMMARIZATION AND PERSONALIZATION OF BIG DATA METHOD AND APPARATUS	N/A	N/A	18427450	2024-01-30
AVALARA, INC.	Automatically starting activities upon crossing threshold	12216660	2025-02-04	18503953	2023-11-07
AVALARA, INC.	Primary entity requesting from online service provider (OSP) to produce a resource and to prepare a digital exhibit that reports the resource, receiving from the OSP an access indicator that leads to the digital exhibit, and sending the access indicator to secondary entity	12107729	2024-10-01	18504073	2023-11-07
AVALARA, INC.	Corrective notification to account for delay or error in updating digital rules applied to produce resources	12197428	2025-01-14	18529740	2023-12-05
AVALARA, INC.	SOFTWARE SERVICE PLATFORM	N/A	N/A	18618624	2024-03-27
AVALARA, INC.	ONLINE SOFTWARE PLATFORM (OSP) DERIVING RESOURCES, PRODUCING REPORT DOCUMENT ABOUT THEM, AND CREATING GALLERY WITH DATA SUBSTANTIATING THE REPORT DOCUMENT FOR VIEWING BY THIRD PARTY	N/A	N/A	18626199	2024-04-03

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	ACCESSING STORED CODE STRINGS FOR EXECUTION TO PRODUCE RESOURCES FOR DIVERSE SITUATIONS	N/A	N/A	18762356	2024-07-02
AVALARA, INC.	ONLINE SERVICE PLATFORM (OSP) GENERATING AND TRANSMITTING ON BEHALF OF PRIMARY ENTITY TO THIRD PARTY PROPOSAL OF THE PRIMARY ENTITY WHILE MAINTAINING THE PRIMARY ENTITY ANONYMOUS	N/A	N/A	18824710	2024-09-04
AVALARA, INC.	Systems and methods of creating and accessing software simulated computers	7992143	2011-08-02	12030682	2008-02-13
AVALARA, INC.	Systems and methods of creating and accessing software simulated computers	8490080	2013-07-16	13168487	2011-06-24
AVALARA, INC.	Selective escrow using electronic funds transfer	RE44189 E1	2013-04-30	13175108	2011-07-01
AVALARA, INC.	Summarization and personalization of big data method and apparatus	11514496	2022-11-29	14656171	2015-03-12
AVALARA, INC.	Adaptive gathering of structured and unstructured data system and method	9466066	2016-10-11	14726707	2015-06-01
AVALARA, INC.	Data refining engine for high performance analysis system and method	10169802	2019-01-01	14935332	2015-11-06
AVALARA, INC.	Compliance document creation, modification, and provisioning	11341507	2022-05-24	15458622	2017-03-14
AVALARA, INC.	Software service platform	11979303	2024-05-07	16/380,914	2019-04-10
AVALARA, INC.	Automated geospatial data analysis	11366836	2022-06-21	16/576,416	2019-09-19
AVALARA, INC.	Nexus notification platform	11928744	2024-03-12	16/585,829	2019-09-27
AVALARA, INC.	ASSEMBLING PARAMETERS TO COMPUTE TAXES FOR CROSS-BORDER SALES	N/A	N/A	16/696,062	2019-11-26
AVALARA, INC.	Dynamic graphical user interface (GUI) for custom software rule creation and management	11301937	2022-04-12	16/709,870	2019-12-10
AVALARA, INC.	Coarse values for estimating less-than-critical resources	11632419	2023-04-18	17/127,205	2020-12-18

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	Corrective notification to account for delay or error in updating digital rules applied to produce resources	11874826	2024-01-16	17/020,748	2020-09-14
AVALARA, INC.	Automated systems and methods for an electronic ledger	11810205	2023-11-07	17/028,916	2020-09-22
AVALARA, INC.	Providing diagnostics regarding differences between trusted resource values and historical resource values	11605136	2023-03-14	17/071,823	2020-10-15
AVALARA, INC.	Establishing sales tax exemption status in an electronic marketplace environment	11468421	2022-10-11	16/743,107	2020-01-15
AVALARA, INC.	Online interactive notification platform for exploring possible tax nexus and implications	11238542	2022-02-01	16/775,771	2020-01-29
AVALARA, INC.	Enabling reviewer to assess private data set of other party using custom parameter values	11900477	2024-02-13	16/801,337	2020-02-26
AVALARA, INC.	Customs duty and tax estimation according to indicated risk tolerance	11861667	2024-01-02	16/803,815	2020-02-27
AVALARA, INC.	Generating, from data of first location on surface, data for alternate but equivalent second location on the surface	11748363	2023-09-05	16/824,344	2020-03-19
AVALARA, INC.	Disestablishing entity's selected resource computation in response to loss of nexus establishment condition for selected domain	11526950	2022-12-13	16/834,934	2020-03-30
AVALARA, INC.	Software service platform and graphical user interface (GUI) for determining and presenting rule-based conclusions	11449779	2022-09-20	16/875,633	2020-05-15
AVALARA, INC.	Selected resource computation for mobile employees	11900285	2024-02-13	16/880,795	2020-05-21
AVALARA, INC.	Determining a resource for a place based on three-dimensional coordinates that define the place	11508016	2022-11-22	16/891,033	2020-06-02
AVALARA, INC.	Determining resource per digital rules for first dataset in context of matching it with compatible second dataset	11282140	2022-03-22	16/900,331	2020-06-12
AVALARA, INC.	Automatically starting activities upon crossing threshold	11853302	2023-12-26	17/338,220	2021-06-03
AVALARA, INC.	Computation module configured to estimate resource for target point from known resources of dots near the target point	11762811	2023-09-19	17/402,258	2021-08-13
AVALARA, INC.	System for assisting searches for codes corresponding to items using decision trees	11531447	2022-12-20	17/405,980	2021-08-18

Owner	Title	Patent No.	Patent Date	App. No.	App. Date
AVALARA, INC.	Online interactive notification platform for exploring possible tax nexus and implications	12131390	2024-10-29	17/523,696	2021-11-10
AVALARA, INC.	DYNAMIC LODGING RESOURCE PREDICTION SYSTEM	N/A	N/A	17/564,061	2021-12-28
AVALARA, INC.	Accessing stored code strings for execution to produce resources for diverse situations	12061879	2024-08-13	17/564,182	2021-12-28
AVALARA, INC.	SYSTEMS AND METHODS FOR ELECTRONICALLY TRACKING CLIENT DATA	N/A	N/A	17/574,412	2022-01-12
AVALARA, INC.	Determining resource per digital rules for first dataset in context of matching it with compatible second dataset	11810193	2023-11-07	17/670,366	2022-02-11
AVALARA, INC.	Systems and methods for digitally watermarking resources produced by an online software platform	11706369	2023-07-18	17/684,823	2022-03-02
AVALARA, INC.	Compliance document creation, modification, and provisioning	11798007	2023-10-24	17/733,926	2022-04-29
AVALARA, INC.	Automated geospatial data analysis	11720606	2023-08-08	17/740,157	2022-05-09
AVALARA, INC.	Versatile integration framework for software-as-a-service (SaaS) functionality	12095881	2024-09-17	17/749,751	2022-05-20
AVALARA, INC.	Automated actions for facilitating remitting resources	11875387	2024-01-16	17/752,504	2022-05-24
AVALARA, INC.	Online software platform (OSP) deriving resources, producing report document about them, and creating gallery with data substantiating the report document for viewing by third party	11977586	2024-05-07	17/840,397	2022-06-14
AVALARA, INC.	Online software platform (OSP) querying client data about relationship instances for application of permission digital rules in addition to resource digital rules for the relationship instances	11809590	2023-11-07	17/852,209	2022-06-28
AVALARA, INC.	Online software platform (OSP) querying client data about relationship instances for application of permission digital rules in addition to resource digital rules for the relationship instances	11720703	2023-08-08	17/852,212	2022-06-28

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AVALARA, INC.	Online service platform (OSP) generating and transmitting on behalf of primary entity to third party proposal of the primary entity while maintaining the primary entity anonymous	11671508	2023-06-06	17/870,520	2022-07-21
AVALARA, INC.	Online service platform (OSP) generating and transmitting on behalf of primary entity to third party proposal of the primary entity while maintaining the primary entity anonymous	11778058	2023-10-03	17/870,548	2022-07-21
AVALARA, INC.	Disestablishing entity's selected resource computation in response to loss of nexus establishment condition for selected domain	11790462	2023-10-17	17/888,087	2022-08-15
AVALARA, INC.	Disestablishing entity's selected resource computation in response to loss of nexus establishment condition for selected domain	11720976	2023-08-08	17/888,154	2022-08-15
AVALARA, INC.	Software service platform and graphical user interface (GUI) for determining and presenting rule-based conclusions	11775849	2023-10-03	17/889,174	2022-08-16
AVALARA, INC.	Software service platform and graphical user interface (GUI) for determining and presenting rule-based conclusions	11783212	2023-10-10	17/889,196	2022-08-16
AVALARA, INC.	Online software platform (OSP) accessing digital rules updated based on client inputs	11711316	2023-07-25	17/899,368	2022-08-30
AVALARA, INC.	Online software platform (OSP) accessing digital rules updated based on client inputs	11722433	2023-08-08	17/899,412	2022-08-30
AVALARA, INC.	Summarization and personalization of big data method and apparatus	11922475	2024-03-05	17/973,389	2022-10-25
AVALARA, INC.	SYSTEM FOR ASSISTING SEARCHES FOR CODES CORRESPONDING TO ITEMS USING DECISION TREES	N/A	N/A	17/984,918	2022-11-10
EDISON VAULT, LLC	INTELLIGENT CERTIFICATE DISCOVERY IN PHYSICAL AND VIRTUALIZED NETWORKS	N/A	N/A	17246970	2021-05-03
EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	11521195	2022-12-06	17372836	2021-07-12

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EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	11514425	2022-11-29	17374534	2021-07-13
EDISON VAULT, LLC	Processing mobile payments when disconnected from payment servers	12190308	2025-01-07	18197982	2023-05-16
EDISON VAULT, LLC	Method and system for performing a commercial transaction by using a short message service terminal	8468093	2013-06-18	11081045	2005-03-15
EDISON VAULT, LLC	Performing secure financial transactions in an instant messaging environment	9830634	2017-11-28	11360344	2006-02-23
EDISON VAULT, LLC	System and method for providing and/or obtaining electronic documents	8364596	2013-01-29	11427668	2006-06-29
EDISON VAULT, LLC	Technique for compressing columns of data	9195695	2015-11-24	11900931	2007-09-13
EDISON VAULT, LLC	Electronic system for selecting the best card from a collection of consumer credit, debit, and discount cards	8615467	2013-12-24	11936111	2007-11-07
EDISON VAULT, LLC	Device, system, and method of dynamic modification of sale terms of electronic transactions	10229419	2019-03-12	11961451	2007-12-20
EDISON VAULT, LLC	Generating document processing workflows configured to route documents based on document conceptual understanding	10169546	2019-01-01	12128098	2008-05-28
EDISON VAULT, LLC	Dual layer authentication for electronic payment request in online transactions	9215331	2015-12-15	12572321	2009-10-02
EDISON VAULT, LLC	Provision of support services as a service	8965801	2015-02-24	12751559	2010-03-31
EDISON VAULT, LLC	Real-time file system charge-back accounting per management object during a report cycle	9697571	2017-07-04	12904291	2010-10-14
EDISON VAULT, LLC	Systems and methods for face-to-face mobile phone mercantile transactions	10825013	2020-11-03	12948006	2010-11-17
EDISON VAULT, LLC	Characterizing business intelligence workloads	8768878	2014-07-01	13011389	2011-01-21
EDISON VAULT, LLC	System for processing a purchase request for goods or services	8229814	2012-07-24	13198755	2011-08-05

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EDISON VAULT, LLC	Document merge based on knowledge of document schema	9626368	2017-04-18	13359607	2012-01-27
EDISON VAULT, LLC	Link of mobile devices to facilitate mobile commerce transactions	10223687	2019-03-05	13428782	2012-03-23
EDISON VAULT, LLC	Authentication for transactions using near field communication	10332112	2019-06-25	13431138	2012-03-27
EDISON VAULT, LLC	Dual layer authentication for electronic payment request in online transactions	9100502	2015-08-04	13442450	2012-04-09
EDISON VAULT, LLC	Enterprise-level data protection with variable data granularity and data disclosure control with hierarchical summarization, topical structuring, and traversal audit	9959273	2018-05-01	13457250	2012-04-26
EDISON VAULT, LLC	Issuing, presenting and challenging mobile device identification documents	9059972	2015-06-16	13540685	2012-07-03
EDISON VAULT, LLC	Dynamic adaption of electronic routing slips for financial messaging	9412091	2016-08-09	13647821	2012-10-09
EDISON VAULT, LLC	Verifying a geographic location of a virtual disk image executing at a data center server within a data center	9374228	2016-06-21	13651380	2012-10-12
EDISON VAULT, LLC	Electronic transaction authentication based on sound proximity	9082413	2015-07-14	13667686	2012-11-02
EDISON VAULT, LLC	Providing high availability in an active/active appliance cluster	9342575	2016-05-17	14103355	2013-12-11
EDISON VAULT, LLC	System and method for providing and/or obtaining electronic documents	10496604	2019-12-03	13733418	2013-01-03
EDISON VAULT, LLC	Link of mobile devices to facilitate mobile commerce transactions	10217101	2019-02-26	13780475	2013-02-28
EDISON VAULT, LLC	Rendering payments with mobile phone assistance	9508069	2016-11-29	13852492	2013-03-28
EDISON VAULT, LLC	Service compliance enforcement using user activity monitoring and work request verification	9608881	2017-03-28	13860322	2013-04-10
EDISON VAULT, LLC	Assisting in bill split payment	9928489	2018-03-27	14089533	2013-11-25

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EDISON VAULT, LLC	Method and system for performing a commercial transaction by using a short message service terminal	10592891	2020-03-17	13907082	2013-05-31
EDISON VAULT, LLC	Issuing, presenting and challenging mobile device identification documents	9065805	2015-06-23	13915086	2013-06-11
EDISON VAULT, LLC	Document merge based on knowledge of document schema	9740698	2017-08-22	13940646	2013-07-12
EDISON VAULT, LLC	Service compliance enforcement using user activity monitoring and work request verification	9628357	2017-04-18	13951191	2013-07-25
EDISON VAULT, LLC	Adaptive gathering of structured and unstructured data system and method	9047614	2015-06-02	13951244	2013-07-25
EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	10311425	2019-06-04	14154376	2014-01-14
EDISON VAULT, LLC	Method and system for performing a commercial transaction by using a short message service terminal	10621569	2020-04-14	14333052	2014-07-16
EDISON VAULT, LLC	Managing a secure transaction	9336523	2016-05-10	14444519	2014-07-28
EDISON VAULT, LLC	Access control for unprotected data storage system endpoints	9690792	2017-06-27	14468415	2014-08-26
EDISON VAULT, LLC	Integrated mobile payment application with other mobile applications while preventing security exposures	10318949	2019-06-11	14486880	2014-09-15
EDISON VAULT, LLC	Remote document generation	9972000	2018-05-15	14553014	2014-11-25
EDISON VAULT, LLC	Policy-based scaling of computing resources in a networked computing environment	9940595	2018-04-10	14590276	2015-01-06
EDISON VAULT, LLC	Issuing, presenting and challenging mobile device identification documents	9686246	2017-06-20	14708623	2015-05-11
EDISON VAULT, LLC	Access control for unprotected data storage system endpoints	10108628	2018-10-23	14724972	2015-05-29
EDISON VAULT, LLC	System and method for payment promise transfers based on preferences	10810560	2020-10-20	14734145	2015-06-09

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EDISON VAULT, LLC	Ensuring regulatory compliance during application migration to cloud-based containers	10171310	2019-01-01	14741600	2015-06-17
EDISON VAULT, LLC	Sensory feedback indicators for transactional processes	9892385	2018-02-13	14796388	2015-07-10
EDISON VAULT, LLC	Intelligent certificate discovery in physical and virtualized networks	10284542	2019-05-07	14832250	2015-08-21
EDISON VAULT, LLC	Secure metering and accounting for cloud services	9571419	2017-02-14	14836193	2015-08-26
EDISON VAULT, LLC	Secure metering and accounting for cloud services	9577952	2017-02-21	14836272	2015-08-26
EDISON VAULT, LLC	Storing service level agreement compliance data	9600336	2017-03-21	14838816	2015-08-28
EDISON VAULT, LLC	Storing service level agreement compliance data	9612974	2017-04-04	14864512	2015-09-24
EDISON VAULT, LLC	Crowdsourced device cloud for application testing	9760476	2017-09-12	14885310	2015-10-16
EDISON VAULT, LLC	Detection of software or hardware incompatibilities in software packages	9733927	2017-08-15	14937924	2015-11-11
EDISON VAULT, LLC	Providing high availability in an active/active appliance cluster	9659075	2017-05-23	14948428	2015-11-23
EDISON VAULT, LLC	Automated compliance exception approval	9773122	2017-09-26	14953260	2015-11-27
EDISON VAULT, LLC	Determining the identity of software in software containers	10223074	2019-03-05	14965922	2015-12-11
EDISON VAULT, LLC	Dynamic adaption of electronic routing slips for financial messaging	9749281	2017-08-29	15157461	2016-05-18
EDISON VAULT, LLC	Managing the execution of software applications running on devices having device functions	10061661	2018-08-28	15181660	2016-06-14
EDISON VAULT, LLC	Cryptocurrency transactions using debit and credit values	10769600	2020-09-08	15275996	2016-09-26
EDISON VAULT, LLC	Virtual payment account	10810580	2020-10-20	15286052	2016-10-05

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EDISON VAULT, LLC	Sensory feedback indicators for transactional processes	9704144	2017-07-11	15042973	2016-02-12
EDISON VAULT, LLC	Transaction processing based on comparing actions recorded on multiple devices	10387860	2019-08-20	15398592	2017-01-04
EDISON VAULT, LLC	Securing online transactions via hardware identification	10713647	2020-07-14	15410201	2017-01-19
EDISON VAULT, LLC	Creation of software images of software applications for image-based maintenance of the software applications	10528336	2020-01-07	15419382	2017-01-30
EDISON VAULT, LLC	Scalable and distributed shared ledger transaction management	10832230	2020-11-10	15478438	2017-04-04
EDISON VAULT, LLC	Issuing, presenting and challenging mobile device identification documents	9930017	2018-03-27	15601635	2017-05-22
EDISON VAULT, LLC	Automated compliance exception approval	10055249	2018-08-21	15650639	2017-07-14
EDISON VAULT, LLC	Sensory feedback indicators for transactional processes	9892387	2018-02-13	15673713	2017-08-10
EDISON VAULT, LLC	Sensory feedback indicators for transactional processes	9892388	2018-02-13	15675824	2017-08-14
EDISON VAULT, LLC	Endpoint access manager	10581861	2020-03-03	15/701,564	2017-09-12
EDISON VAULT, LLC	Scalable cloud-assigning scores to requesters and treating requests differently based on those scores	10585748	2020-03-10	15/720,365	2017-09-29
EDISON VAULT, LLC	Processing mobile payments when disconnected from payment servers	11074573	2021-07-27	15/796,062	2017-10-27
EDISON VAULT, LLC	Managing the execution of software applications running on devices having device functions	10055314	2018-08-21	15/809,278	2017-11-10
EDISON VAULT, LLC	Processing mobile payments when disconnected from payment servers	10915884	2021-02-09	15/844,947	2017-12-18
EDISON VAULT, LLC	Securing online transactions via hardware identification	10664827	2020-05-26	15/845,440	2017-12-18

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EDISON VAULT, LLC	System and method for payment promise transfers based on preferences	10699256	2020-06-30	15/856,321	2017-12-28
EDISON VAULT, LLC	Access control for unprotected data storage system endpoints	10838916	2020-11-17	16/166,206	2018-10-22
EDISON VAULT, LLC	Intelligent payment link	10949818	2021-03-16	16/050,700	2018-07-31
EDISON VAULT, LLC	Unstructured document migrator	10592538	2020-03-17	15/862,022	2018-01-04
EDISON VAULT, LLC	Policy-based scaling of computing resources in a networked computing environment	10304019	2019-05-28	15/903,624	2018-02-23
EDISON VAULT, LLC	Remote document generation	10528932	2020-01-07	15/913,325	2018-03-06
EDISON VAULT, LLC	Enterprise-level data protection with variable data granularity and data disclosure control with hierarchical summarization, topical structuring, and traversal audit	10789204	2020-09-29	15/965,877	2018-04-28
EDISON VAULT, LLC	Determining the identity of software in software containers	10635406	2020-04-28	16/251,168	2019-01-18
EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	11093929	2021-08-17	16/273,637	2019-02-12
EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	11093930	2021-08-17	16/273,724	2019-02-12
EDISON VAULT, LLC	Automated evaluation and reporting of microservice regulatory compliance	10713664	2020-07-14	16/361,382	2019-03-22
EDISON VAULT, LLC	Policy-based scaling of computing resources in a networked computing environment	10776730	2020-09-15	16/381,414	2019-04-11
EDISON VAULT, LLC	Intelligent certificate discovery in physical and virtualized networks	11025612	2021-06-01	16/403,778	2019-05-06
EDISON VAULT, LLC	Remote document generation	10937012	2021-03-02	16/574,722	2019-09-18

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EDISON VAULT, LLC	Creation of software images of software applications for image-based maintenance of the software applications	10963236	2021-03-30	16/662,597	2019-10-24
EDISON VAULT, LLC	Securing online transactions via hardware identification	11023883	2021-06-01	16/885,987	2020-05-28
EDISON VAULT, LLC	Processing mobile payments when disconnected from payment servers	11687914	2023-06-27	17/359,941	2021-06-28
EDISON VAULT, LLC	Integrating mobile payment application with other mobile applications while preventing security exposures	12118531	2024-10-15	17/974,056	2022-10-26